100 Initiate DSL activation Process. - 105 Receise down Ttreem muti-carrier tones of the DJL activition Process at an exVBM Sampledownstream multi-carrier tous to generate a multi-tone signal having 115 a plurality of component frequencies within the exVBM's spectrum band. Fold up:tream multi-currier tones into component signals within the exvent spectrum band. -120 Determine ratio of ipstream-carrier power to downstream-carrier Power power. Use ratio to determine the Presence or absence of a 130 loading coil.

Fig. 1

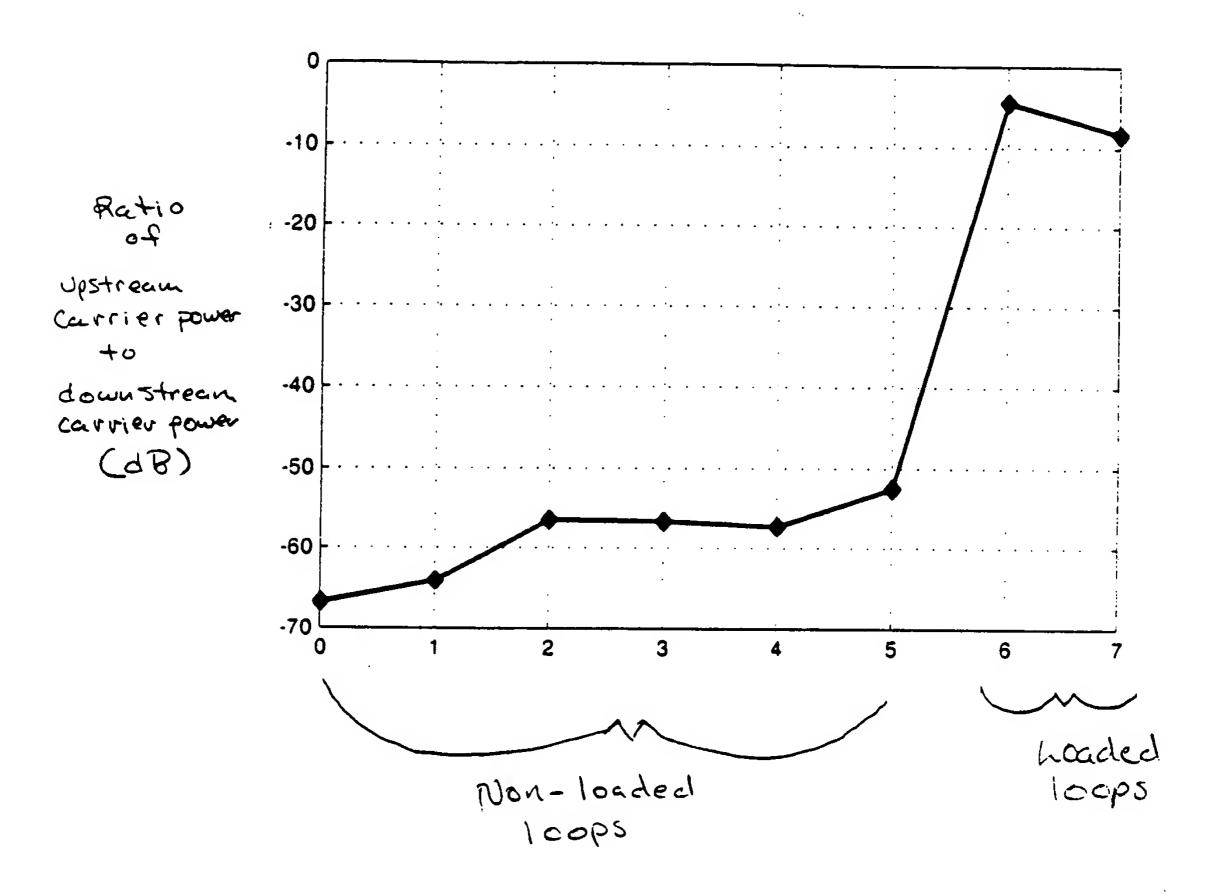
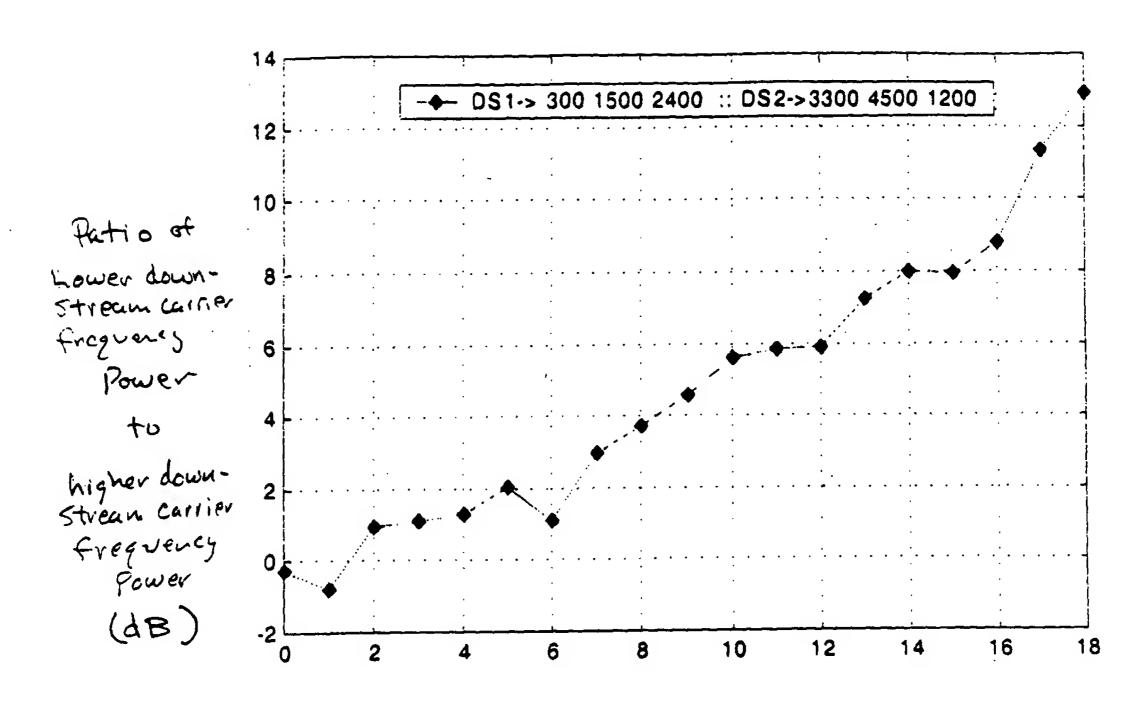


Fig. 2

Initiate DSL activation Process. Receive downstream multicarner tones of the DSL activation process 1310 at an exVBM. Sample the downstream multi-carrier tones to generate a multi-tone signal having a plurality of component frequencies within the exVBM's Spectrum band. Determine ratio of the total power of a set of lower down stream - currier -320 frequencies to the total power of a Set of higher downstream-carrier frequencies Use ratio to determine 100p leugth. 325

Fig. 3.



hoop lougth (Kft.) Fig. 4

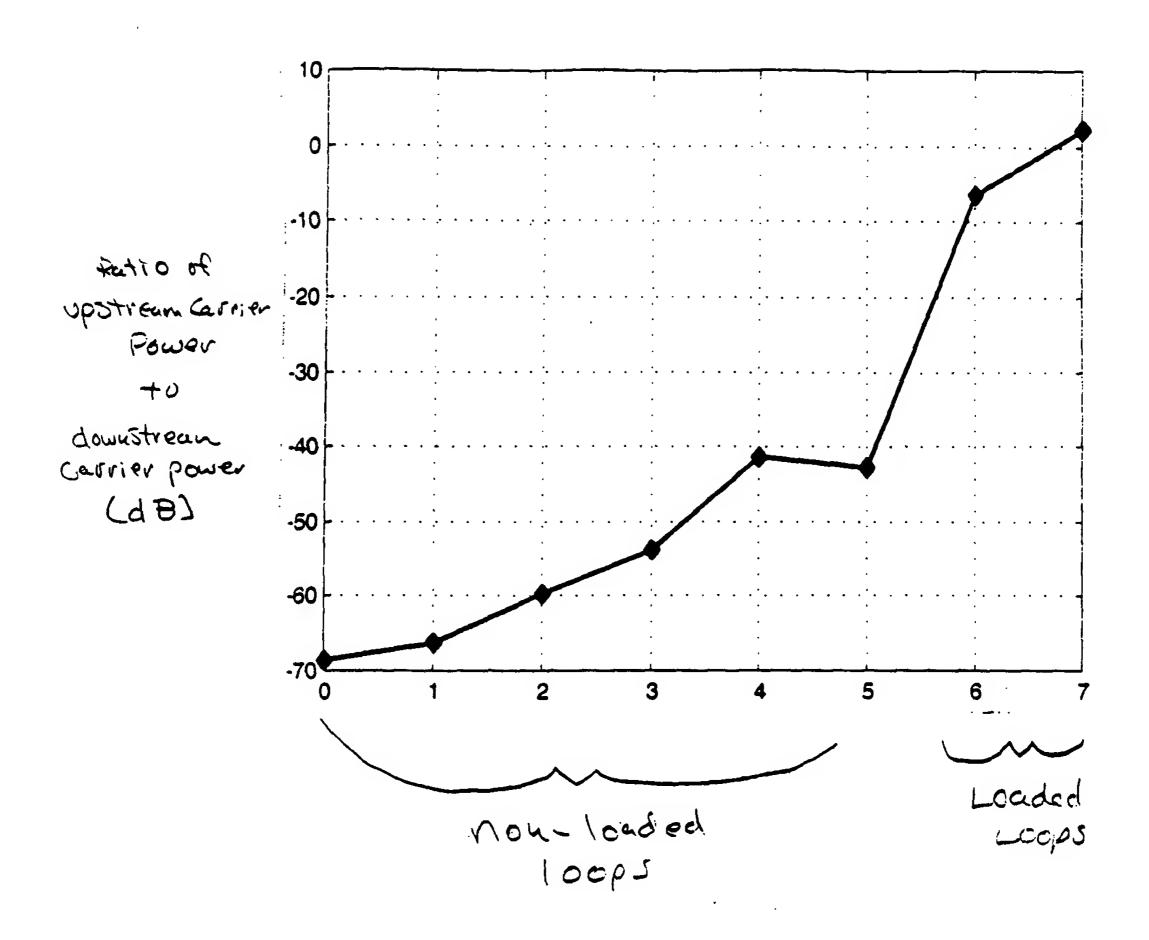


Fig. 5

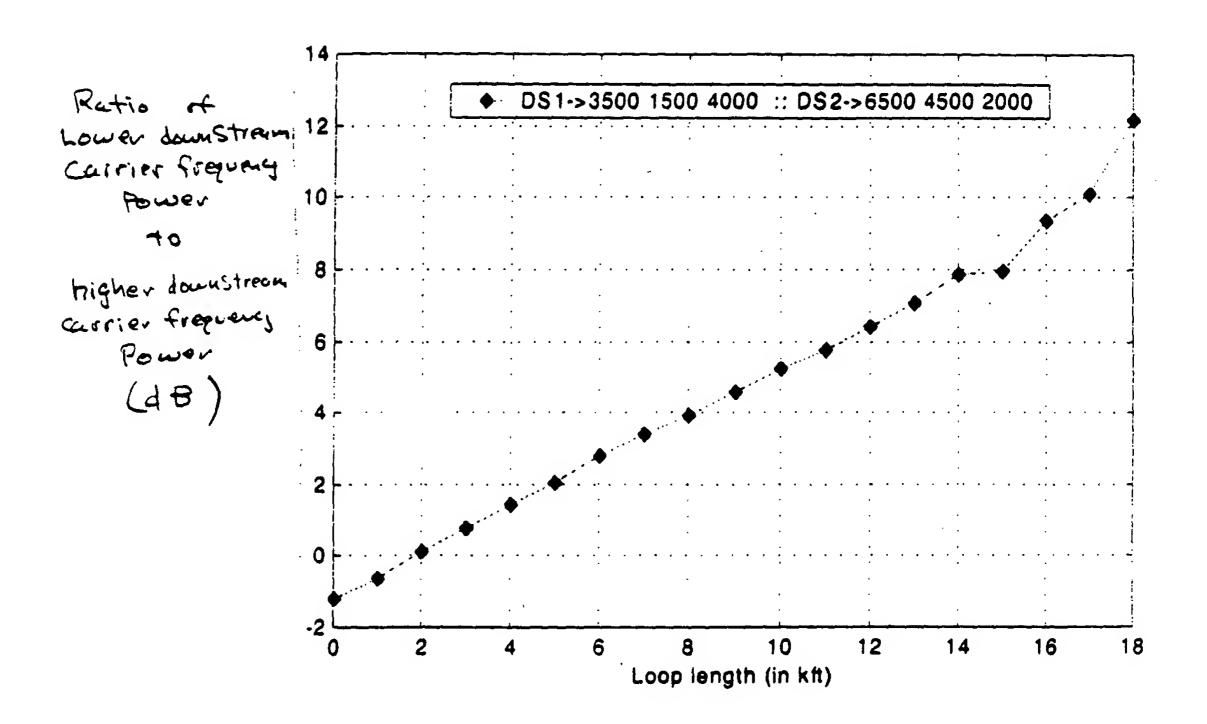


Fig. 6

